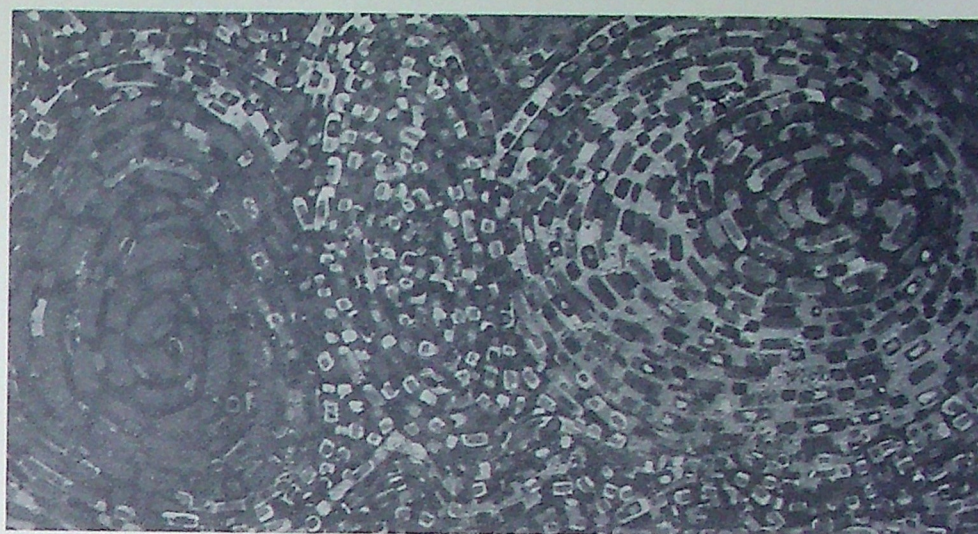






... the use of space and color ... the design of a painting ... that type shows feeling and color ... a cover that shows the contents of a book ... paintings that show the contents of the world ... each ... a unique ... an individual ... design ... art ... the purest form of expression ...



A CLASSIC
TYPE FACE **FIORENZA**



ABCDEFGHIJKLMNOPQRSTUVWXYZ
Every part is dis-
posed to unite with the whole
and thus to achieve completion

LEONARDO DA VINCI



LITERARY STAFF:

Morton Corn, Assistant Editor; William Muhlker, Joseph Horowitz, Martin Kladko, Herbert Lubitz, Theodore Sigman, Elliot Willensky, Julius Maiman, Daniel Siegel, Ken Ozer, Vincent Vaillancourt, Eric Herzlich, Herbert Kleiman.

ART STAFF:

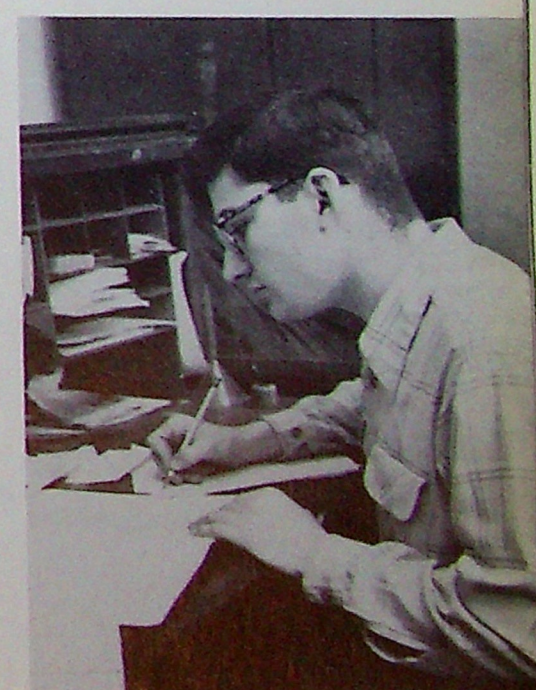
Simms Taback, Benne Gooch, Steve Ancona, Helen Schloss, Constance Wrigley, Barbara Stegen, Ernest Neidig, Jacqueline Ecklund.

PHOTOGRAPHY STAFF:

Herbert Rosenthal, Arnold Arlow, Eugene Tulchin, Peter Snoek.

ADVERTISING STAFF:

Fred Reiner, Manager; Kenneth Redmond, Robert Alloca, Nathan Silver, Marvin Kussoy, Leonard Goldzweig.





PIONEER

By pursuing frugality to an extreme and terrorizing every potential advertiser in a twenty mile radius of Cooper Union, the Pioneer became a six-page, letterpress publication for the first time since 1949. Gone were the days of meticulous paste ups, perilous drawing of lines and smudgy varityped copy. Led by Larry Block, who often claimed he was the Editor and Herbert Kahn, gonnif extrodinaire, the Pioneer staff was able to concentrate on grinding out deathlèss prose. And deathless it was! To prevent copy from being published it was necessary to lose it.

Editorially, the Pioneer attained national fame by completely alienating the Republican Party and by doing the candidacy of Adlai E. Stevenson untold harm. In justification it can probably be said that no one read it anyway.

A policy of honest reporting, coupled with a taste for the aesthetic and the use of brilliant satire, earned for Pioneer the undying hatred of the Dramatic Club. For this reason, rehearsals are now being held behind closed doors that Brooks Atkinson might enter only if he could prove he was not Herb Kahn.

The Pioneer has its own old age problem, too. The office is infested with swarms of editors emeritus. Too young to collect their social security pensions, and considering work beneath their dignity, these discarded human wrecks (affectionately known as Lambda Tau members) succeed in occupying floor space in the office, become proficient at cigarette grubbing from glassy-eyed staff members and add immeasurably to the general confusion of deadline nights.

ATHLETIC ASSOCIATION

The saga of the A.A., the organization which offers the student body a well organized and varied sports program, is a tender one. For behind the intricate intramural system and extensive varsity and club program is a small group of men who formulate and execute the athletic policies of Cooper Union. This group is known as the Athletic Association Governing Board, and as anyone of average hearing can tell you, they meet on Monday afternoons in Room 211F. These men are picked for their athletic interest, executive talent and ability to shout down the Third Ave. El. However, more often than not, this latter aptitude is directed toward each other rather than the poor man's Pennsylvania Railroad. If a stranger were to stumble into an A.A. meeting, he would probably find someone hurling charges that the bowling varsity, bowling intramural, handicap bowling intramural, freshman bowling intramural and bowling affiliates were trying to pack the A.A. with bowling representatives. This would be loudly denied by a roar resembling that of a wounded lion issuing from the bowling delegation. They would then demand that the fencing team have its appropriations cut. Before the ensuing hubbub could die down, the basketball J.V. would demand recognition as a member of the Governing Board, be refused, and charge the A.A. with discriminating against the smaller organizations. The yacht team would then demand money to provide beer and pretzels for visiting teams, such as Vassar, Smith, etc. And so the pattern continues, exclamations followed by protestations and then further eruptions. Finally, someone would make the blessed motion to adjourn. Wearily, all hands are raised, and these cool, calm, decisive formulators of our athletic life would drag their tired bodies home to a cold supper and a sleepless night.





COOPER CLUBS



FOLK SONG CLUB

Through the years the secret for successful camp trips has been: take along a member of the Folk Song Club, the more the better. Thus the sight of guitar and mandolin strumming students perched atop a pile of luggage in the lobby on Friday nights has become a common one. They perform at the slightest provocation and being the untiring sort, the only effective way to restore silence is to snip their strings.

The Dramatics Club and the Student Council share the honor of being consistently carved up by the Pioneer. The editorial staff of CABLE, however, has always been favorably inclined to our thespians. We maintain that what the "subterranean circuit" players lack in talent, poise, dramatic taste, initiative, imagination, temperament and appeal they make up in sincerity. Stan Isaacs even volunteered to enlist in the army so that he could play his part in *L'Histoire du Soldat*. However, the prospect of bad publicity prevented Eileen Mislove from accumulating data for her role.

DRAMATIC CLUB



MODERN DANCE CLUB

Should a wandering freshman happen to stumble into the Great Hall in search of the elevator on Wednesday afternoons, he would be confronted by the sight of scantily dressed Cooperites prancing about on the stage. A moment's reflection will reveal that they are members of the Modern Dance Club pursuing their interest in interpretative terpsichore. The group, founded this year by Sonnie Kleeman and coached by Rose Lischner, release their inhibitions weekly in this manner hoping to master the rudiments necessary for poise and grace.

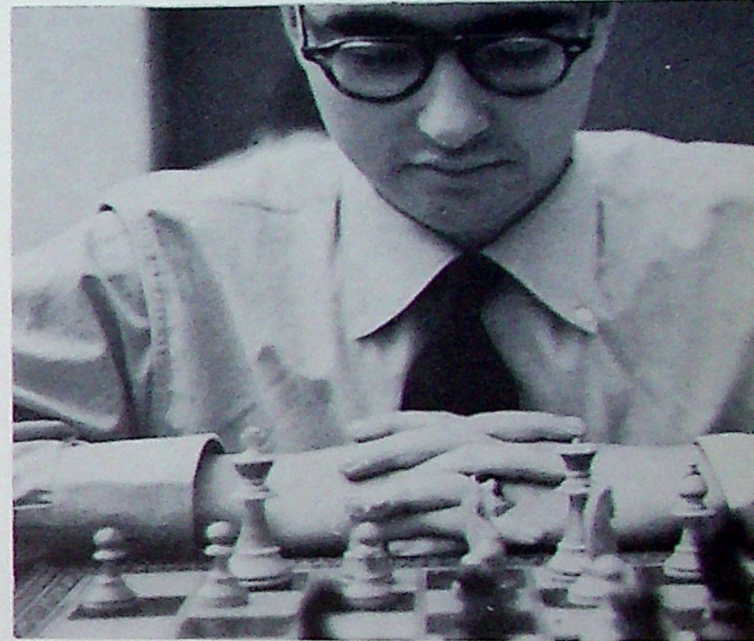
UNITED WORLD FEDERALISTS

"Peace is not just the absence of war but the presence of justice." In order to achieve such a peace, Cooper's chapter of UWF has endeavored to keep the student body conscious of the importance of world affairs and more particularly of the need for the creation of a world federal government. It has advocated the strengthening of the United Nations into a government which would have those powers necessary for the promotion of lasting peace.



ORCHESTRA

Forsaken by the Social Activities Committee, the student Orchestra continued to practice relentlessly this year with no apparent purpose in sight. Their big chance came at the Women's Club Dinner-Dance and they performed admirably. They started together and ended together but all hell broke loose during the middle. Midway through the evening, Prof. Eichler mercifully initiated the game of musical chairs which limited their activities only to starting and stopping.



CHESS CLUB

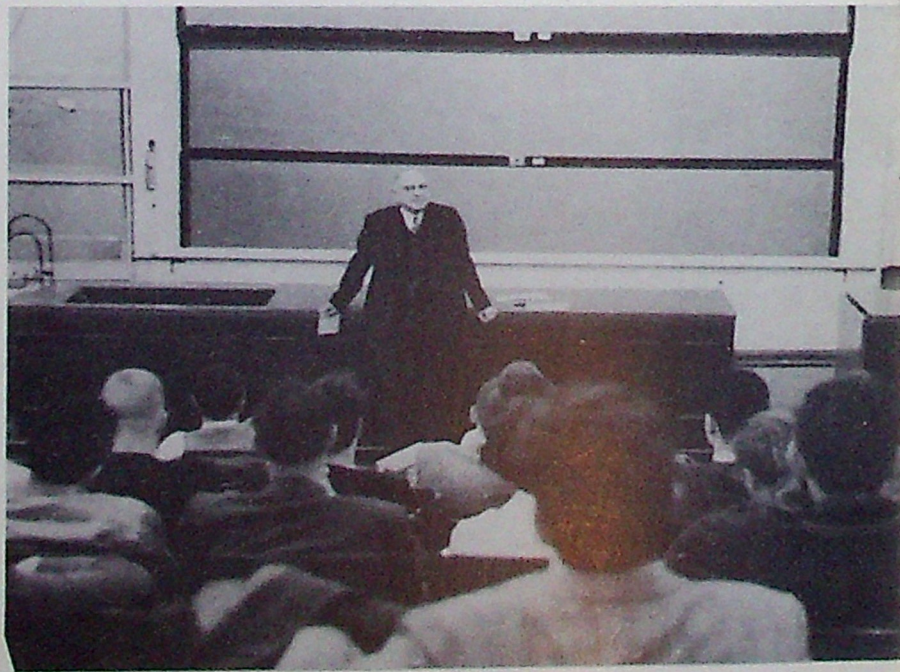
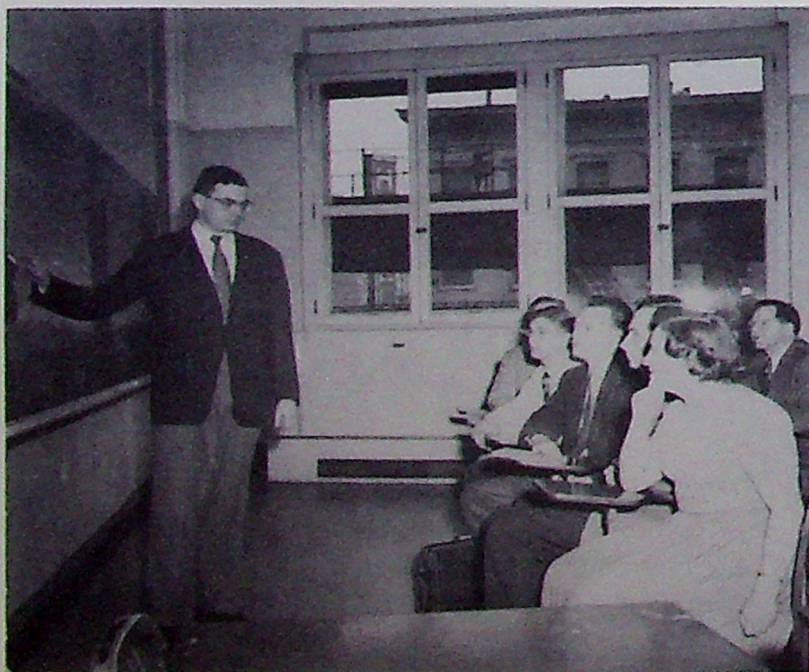
The influence of chess is far reaching indeed. It has converted the Pioneer office from a den of iniquity to a Mecca for chess players. Mere mention of the phrase *King's Bishop to Queen's Knight Five* will provoke spontaneous religious rites. This expansion of the Chess Club's membership has necessitated a three-strata society. The beginners, using board and pieces; the more experienced, communicating their moves orally; and Al Berndt and Ralph Cooper, who use mental telepathy.

MATH CLUB

HUMANITIES CLUB

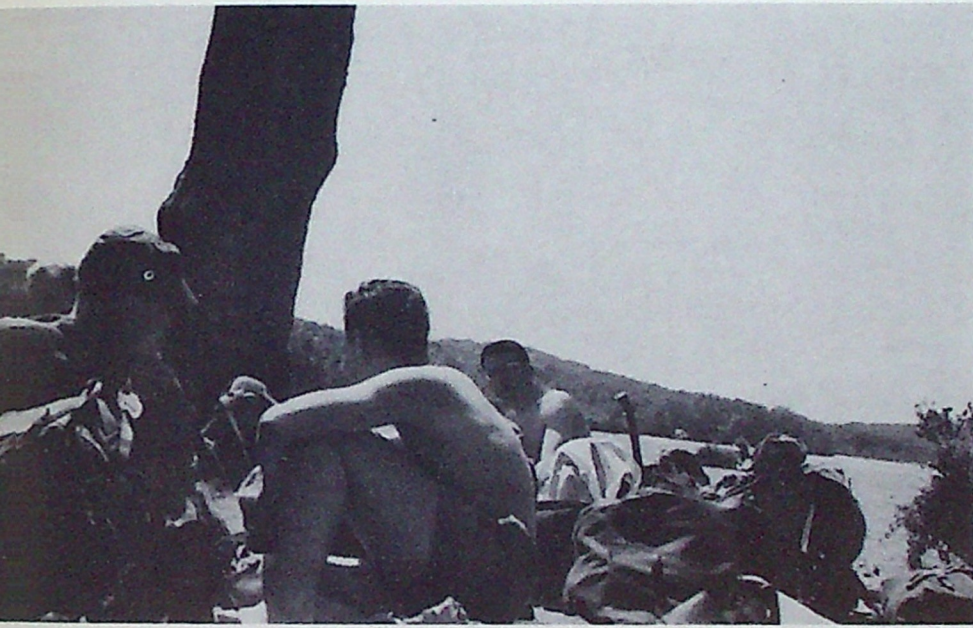
With their functions plotted by Al Berndt, the Math Club found life as easy as falling off a log, natural that is. An integral part of their activities were discussions in which applied mathematics was differentiated from the pure variety. For the forty-first consecutive year, membership of the club consisted entirely of engineers. Artists wishing to decipher the above should rub lemon juice over the copy under an amber light.

To many Cooperites the great mystery of life is not the minimum reflux ratio of a distilling column. This group can be sub-divided into non-chemees, artists and the stalwarts of the Humanities Club. Concerning the latter, one of their activities, a lecture by Prof. M. S. Sundaram of the Indian Embassy, provoked much comment, most of it silent. However, all other attempts to raise the cultural level of Cooper students could not compete with the mass appeal of Physics IV.



PING-PONG CLUB

Some Cooperites release their pent up emotions by shoving old women in the subway. Others retire to our subterranean game rooms and paddle ping pong balls to exhaustion. Often paddles are not available whereupon the members cluster about the table on bended knees and indulge in blow ball, a la LSK. As far as the ball is concerned, it is a more humane procedure, since it dies as a result of halitosis rather than physical violence.



HIKING CLUB

Among the many achievements of the Hiking Club this year are: ten "charley-horses," fifteen pairs of worn out shoes and the undying envy of the Boy Scouts of America. Led by George ("I should have brought the compass") Fischer and Rolf ("We can wait till the North Star appears") Lesem, this hardy group carried on their missionary work in the wilderness around Green Camp with amazing success.



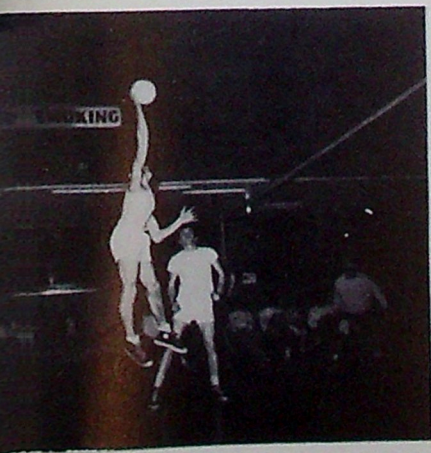
ATHLETICS



VOLLEYBALL TEAM

1953 was an auspicious year for the Volleyball Team, for it marked the first season that the team operated as a full-fledged varsity. This new-found glory went to the heads of the boys, and they set about perfecting a new attack which they had stolen from their nemesis, Springfield College. This new attack featured the front three men running at high speeds and in three different directions simultaneously. The purpose of this maneuver is to confuse the opposition, and it usually succeeded all too well in thoroughly confusing both teams.

Graduation this year will deprive the team of five of its best men: Bob (Skinny) Roden, Harry (The Horse) Rivkovich, Joe (let's have a game of three-men) Fisher, Bouncing Bodo Neumann, and Jim (just call me Most Valuable Player) Trapkin. That recently-bestowed honor has been interfering with Trapkin's game as he insists on carrying the trophy out on the gym floor with him during matches. On the other hand, this has had a psychological effect on our less confident opponents to the extent that they rolled over and died. But we have been experiencing difficulty with those teams that are ignorant of Freud.





SAILING TEAM

In these days of super carriers and mammoth passenger ships, the gallant souls who man the dingys of the Yacht Team have not been disturbed by pangs of inferiority. Their equanimity is due to the point system, by which their races with other clubs become events of sheer delight. Everything counts points for them: washing the captain overboard, getting one's sails caught in the marker buoys, and drifting helplessly out to sea. None of these things are possible on the Queen Mary.

High point of the season was the triangular meet with Webb and Vassar. It was held on a fine, windy day, and Cooper finished second due to the fact that they had the only boat to finish a race, a factor which cost them dearly. Webb, all of whose boats cap-sized, was naturally awarded an enormous harvest of points. Vassar was beaten from the start, due to the foresight of the Webb team, who took the girls out the night before and got them loaded to the gunwales.

FENCING TEAM



Twice a week the Church of all Nations resounds with the clang of clashing sabres and epees and an occasional shriek followed by a dull thud. The curious bystander watches, blood running cold in his veins. Every Douglas Fairbanks movie ever produced flashes through his mind as Cooper Union's answer to D'Artagnan and company sharpen up for inter-collegiate competition.

As the rugged training session proceeds, the shrieks and thuds become more frequent. It is soon apparent that this method, devised by our new coach Martin Schneider, serves the double purpose of eliminating the less proficient and producing a seasoned core of blood-thirsty swordsmen.

Unfortunately, it developed that the opposition, notable of whom was Fordham, Stevens, St. Peters and Newark College of Engineering, had employed the identical scheme, but for a more prolonged period of time and with more bloodshed. Despite this our men in white suits covered themselves with glory and displayed much zeal and vigor. Though this year's captain, Larry Kreshin, has departed sheepskin in hand, such stalwarts as Joe Russo, Charlie Schiff and George Strickholm are still on hand awaiting the influx of new talent.

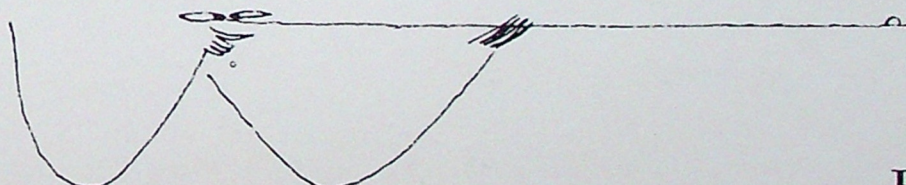


BOWLING

Enthusiasm, the competitive spirit and faith can not always resolve unfortunate circumstances. Such was the plight of the bowling team at the beginning of the year. Gone were the stalwarts who had led them to the rarefied atmosphere of fourth place in the EIBC. Despite the presence of veterans Jerry Leonard, Jim Trapkin, Don Kowtko and Ken Ozer, and the addition of freshmen pin boys, Cooper's keglers were apparently headed for the familiar depths of last place.

Before each game the boys would consider this situation philosophically over brews in McSorleys and these contemplative sessions produced astounding consequences. At the matches, our bowlers would stagger to the foul line, face Mecca, bow thrice, wave their arms pendulum fashion and fire. This ritual completely mystified such opponents as Fordham, Brooklyn Poly, St. Peters and St. Frances who preferred defeat rather than risk incurring the wrath of Mohammed.

There was no predicting what heights we might have attained had not infidels from Columbia, St. Johns, Rutgers, Pace and Manhattan administered successive defeats. Our keglers went on to acquit themselves with grace for the remainder of the season, but Ken Ozer swears to this day that the ales in McSorleys were watered after the St. Peters match.



RIFLE TEAM

It is not an uncommon occurrence to see a group of fellows marching single file through the halls, rifles strapped to their backs, off to engage their opponents of the Metropolitan Intercollegiate Rifle League in mortal combat. When the procession, led by Hank "coon-skin" Schreiber, marches solemnly out the door, coeds have been known to sigh longingly and male students known to spontaneously give rise to a few stirring huzzas.

Though these rousing sendoffs contributed much to the esprit de corps of the men, the opposition, consisting of such teams as Columbia, Fordham, Seton Hall, N.Y.U. and St. Johns, have proven too deadly. It appears that the enthusiasm, and the inherent killer instinct of Cooper's fusileers were not enough to offset the fact that most of their members had never used anything more deadly than a water pistol before their enlistment and were facing their first year of intercollegiate competition. Though their record of this past season is mediocre, many of the matches were close, thus constituting morale victories. However, as hosts at the Gano Dunn Match and various barbecues and picnics at Green Camp, the Riflemen are unequalled. With the only retirement being that of General Schreiber, next year's squad will be militant and battle hardened and are expected to literally shoot up the league.

CHEERLEADERS



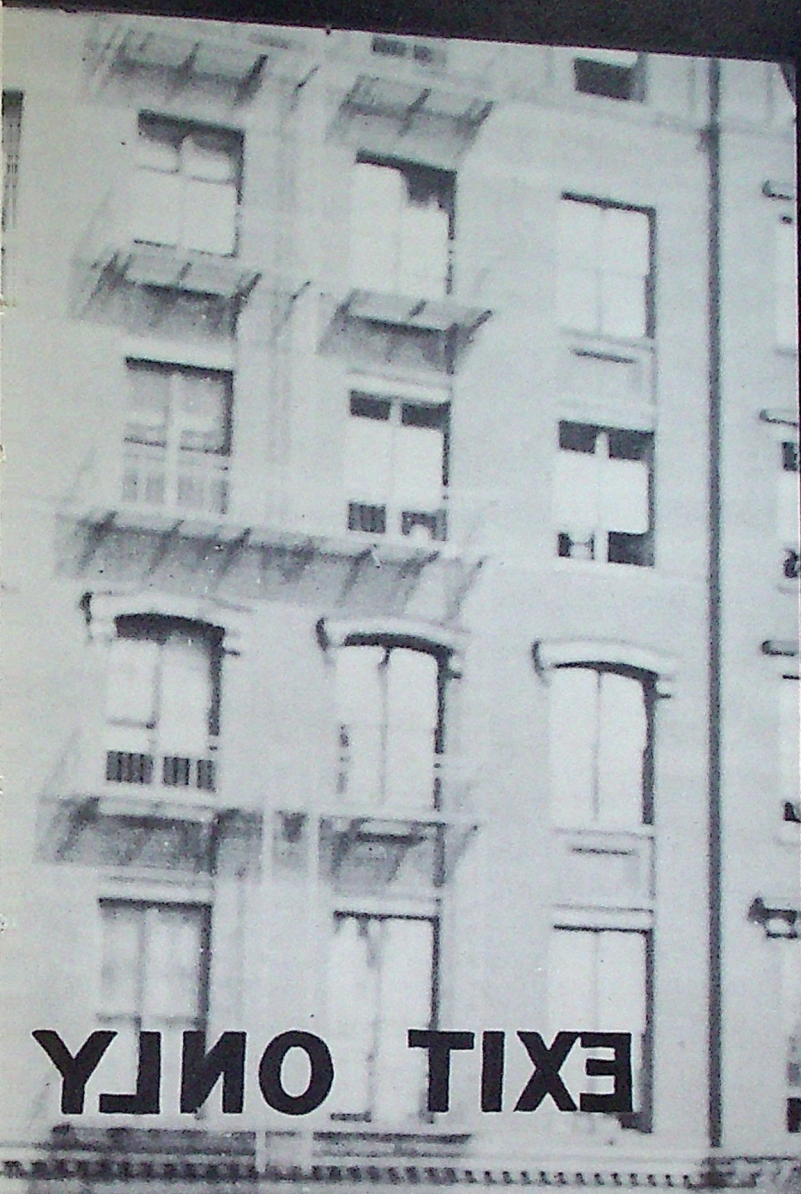
When the cheerleaders pranced out on the floor for this year's first basketball game wearing their new thigh-length skirts, they evoked more comment than Bob Kolb's left-handed hook shot. And when they complained that there were insufficient uniforms for all the girls, the AA craftily boosted male attendance at games by advertising—"10 gorgeous girls—9 lovely costumes." To paraphrase an old Slavic expression, "Nothing makes a girl look prettier than no cheerleader's costume."

To the parents of Cooperites, it's a plot to wreck family ties because junior never comes home for supper on time. To others, it's the fulfillment of the philosophy—"Athletics for All." Call it what you will, the intramural program continues to arouse widespread interest and enthusiasm in Cooper Union.

Highlights of this year's activities were the surprising victory of the Section-3 freshmen in the volleyball tournament and AMS taking top honors in bowling competition. Incidentally, now that the "ole pro," Dave Meyers, is graduating, ping-pong enthusiasts anticipate a return to normal, amateur-type competition next year.

INTRAMURALS





THE GRADUATES



STEPHEN J. ANCONA

283 South Second Street, Brooklyn

Admired by all for the neatness and the intensity with which he pursues his work; he carries this same care into his general appearance. Best known for having a prolific imagination, and a mother who is an excellent baker and seamstress.

SHELDON I. ARONOFF

1258 40 Street, Brooklyn

Caught here in one of his clean shaven moments, Shel had one piece of advice for those wanting to participate in school activities. "Don' han' in lab report on time." Despite his mild manner, good nature and lean frame, Shel administrated the affairs of Cable and Pioneer by pummelling his staff members on their chests or threatening to sing.



ISSER ARONOVITZ

1196 Pelham Parkway South, Bronx

This painter is entirely unhampered by ordinary conventions. He is considered by many to be the male Samia of Cooper Union. His knapsack is his best friend, for whither Isser goes, so goeth his knapsack.

JOSEPH M. ARONOW

737 Hunts Point Avenue, Bronx

Joe is C.U.'s nimble-fingered answer to Segovia. A member of the Folk Song Club and the Rifle Team, Joe astounds everyone with his precocity at crossword puzzles. Aside from his studies as a fine artist, Joe amuses himself by delving into the lore of automobiles and photography.



RUTH ARONOW

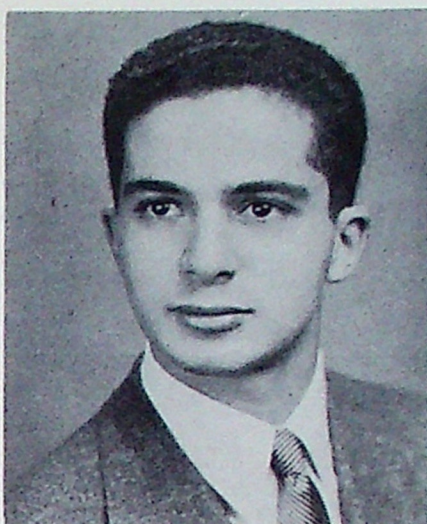
117 West 197 Street, New York

Her long blonde tresses are most often seen bent over a good book. Her sense of humor, subtle. Her knowledge of music, phenomenall She is addicted to painting cane backed chairs: Ecce Quam Vonum.

EDWARD A. ARROYAVE

611 West 141 Street, New York

To most of us, Eddy is Don Juan incarnate. His passion and eloquence have won him fame in Public Speaking and other fields. An accomplished world hitch-hiker, his beret and shock of hair have seen much of the United States as well as parts of Europe and Canada.



JOEL AZERRAD

88-10 Parsons Boulevard, Jamaica

"Begad, it's Azerrad" listening readily to any good joke he can find. With good humor and affability, hard-working, ambitious Joel is sure to go far. A hot man on the clarinet, he adds a certain solemn splendor to the school orchestra.

GERALD BARNES

226 Henry Street, Brooklyn

With a solid background of many years in the design of high speed machinery, he is well imbued with the concepts of good engineering, and is already recognized in his field. A good natured guy, he is well liked by his fellow night owls.



STANLEY BARNETT

135 Avenue P, Brooklyn

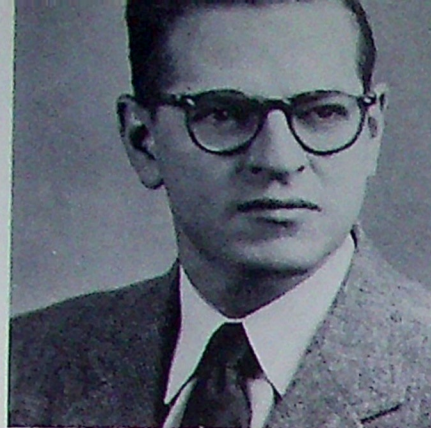
Quiet and unassuming, steady Stan possessed the amazing ability of finding answers to any questions hurled at him by staring intently at the ceiling. Though this stunt occasionally drew crowds, he resisted all pressures to collect money, or form a cult of ceiling seers.

PHILIP F. BEISCHER

226 Freeman Avenue, Jersey City, N. J.

One of those hard working, seldom seen night school engineers who has been attending Cooper for the past six years. Tau Beta Pi and Omega Delta Phi have welcomed him into their midst.





WALTER BELL

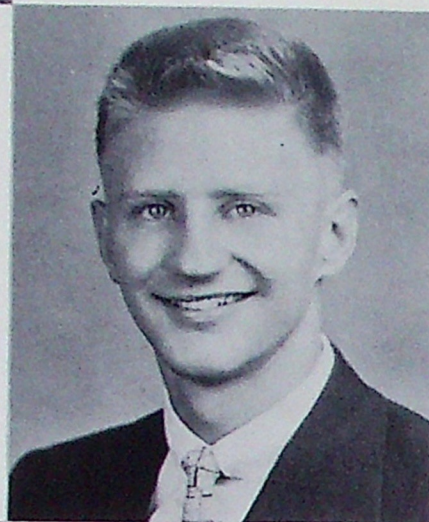
1778 Bergen Street, Brooklyn

Walt's happy combination of interests in good music and sound reproduction provide him with an absorbing hobby. An excellent student, good friend, and interesting person, his extensive experience of the tool and die field should assure his future success.

JOHN H. BERG

P.O. Box 83, Roanoke, Va.

Alias Claude, lifelong friend of Clyde, John is noted for his wit and profusion of "Roaring Twenty" songs. He may be found most times in his office at McSorley's, where at the drop of a hat he will name the thirteen confederate states in counterpoint.



LEONARD BERKOWITZ

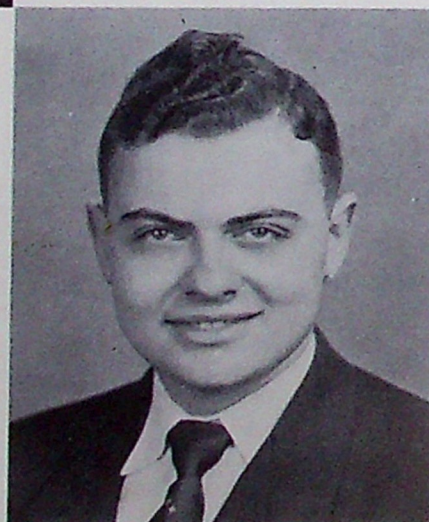
235 East 169 Street, Bronx

A government inefficiency expert, L. B. applied what he learned during his summers at Dahlgren to his vice-presidency of Pi Tau Sigma. Lenny can be found on almost any Friday or Saturday night at some free nurse's school dance, and he should therefore prove to be one of the healthiest M.E. graduates in recent years.

ALAN BERNDT

2685 University Avenue, Bronx

Number one boy of the Chemee class, his straightforward and logical approach to problems left Professor Radasch with some hope that the Chemical Industry was not doomed to complete destruction come June. One of the integral parts of the Math club, Al was also known to desert his studies for such activities as Chess, SKT and TBP.



ALAN S. BESSEN

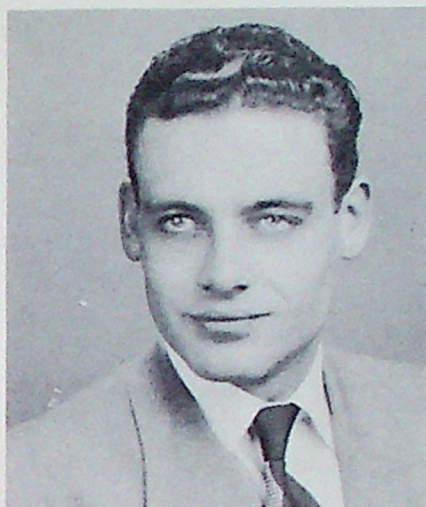
400 South 5 Street, Brooklyn

Besides making good enough grades to make Tau Beta Pi, Al has been Treasurer of A.I.E.E., manager of the Table Tennis Tournament and a mainstay of all the E.E. intramural teams. He is nevertheless one of the boys, and can always be counted on to support an anti-school movement, such as a visit to Union City.

JOAN A. INGOLDSBY

179 Walton Street, Englewood, N. J.

Captain Joan may be seen whizzing overhead in a jet plane busily waging war on the Jersey Mosquito. This girl can do anything. She operates a ham radio with one hand while whipping out fantastic advertising with the other.



JOHN A. IRELAND

3505 Wayne Avenue, Bronx

"Jack," the artist by choice is an electrician by inheritance. Beneath his rugged exterior, deep in his manly chest, there beats a warm, kind, and friendly heart. Put down that knife, girl! Just take our word for it!

STANLEY H. ISAACS

336 East 36 Street, New York

We like to watch Stan lift weights. We like to see him dance and caprice upon a stage. But best of all we like to see Stan trying to float at the pool down at McBurney's.



HAROLD JACOBS

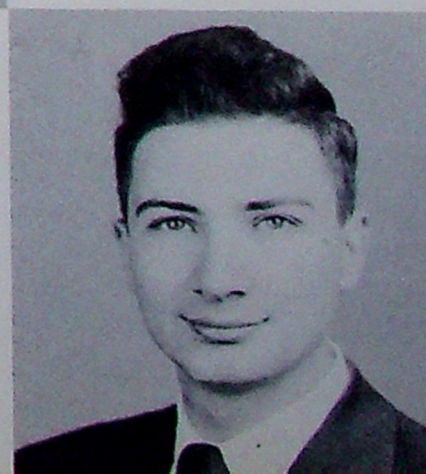
1160 Sage Street, Far Rockaway

Athletic Hal is an excellent lifter of lithographic stones as well as being an exponent of avant-garde advertising design. He is always well dressed and is usually found with a grin of some sort on his face.

ISRAEL H. KALISH

157 Clymer Street, Brooklyn

Iz went through four years of Cooper on two years of sleep. He was always prepared to lend people money and prevent Aronoff from being tyrannical at L.S.K. meetings. He was A.I.E.E. chairman, Assistant Editor of Pioneer, and Editor of last year's CABLE. Incidentally, he has blue eyes, a fact which escapes many, since they are seldom open.





RICHARD E. KAPRAL

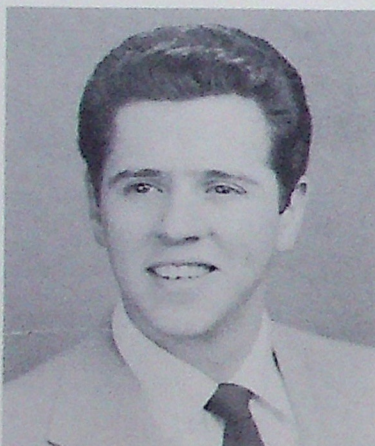
53 Pennsylvania Avenue, Newark, N. J.

Dickie combined a strenuous job with some of the most original, not to say shocking, design work seen around Cooper's Night School since 1918. A born hell-raiser, he rouses strong emotions in the breasts of his classmates, with his friends liking him far more than his enemies.

ALICE KATZ

11 Brighton Beach Avenue, Brooklyn

When you first meet Alice you're struck by her bubbling, frothy personality. Aside from this, Alice is a sincere, meticulous student of the graphic arts. She also has a great interest in the dance and musical-comedy world.



MELVIN KATZ

1092 Willmohr Street, Brooklyn

Mel represents the heavyweight division of the Art School's athletic teams. A key man in the sixth floor quest for honors in basketball, he invariably leaves a wake of fallen opponents after attempting a driving lay-up. He will probably do the same in the advertising field.

SEYMOUR KATZMAN

514 Sheffield Avenue, Brooklyn

A noted ping-pong enthusiast, Sy not only played the game, but was active in managing the team affairs. His easy-going manner hides a sharp and subtle sense of humor.



JOHN J. KIMBALL

1367 76 Street, Brooklyn

"Long John" Kimball possesses the rare talent of thinking before he speaks. An accomplished skeptic, he delights in systematically destroying all rash, illogical statements. But his crowning insult is the competent indifference with which he manages to handle all subjects.

HAROLD RIVKOWICH

29-31 170 Street, Flushing

Harr's gigantic size was matched only by his good nature. He has the deep seated belief that he is incapable of producing a wrong answer. A fine athlete, he was a star of varsity volleyball and participant in most intramurals. At A.I.Ch.E. meetings, he could be observed cramped in one of the snug seats of 502F busily recording the minutes.



ROBERT C. RODEN

6733 Colonial Road, Brooklyn

Bob is a good student, a good athlete and a good classmate. He is a varsity volleyball player and an officer of A.I.E.E. Any time before 5 o'clock Bob can be found doing his homework in the library. At 5:00 sharp, he disappears like a shot to devote himself to the more important things in life. (They're engaged.)

SHELDON S. ROSE

65-41 Saunders Street, Forest Hills

"Photogradgeteer Extraordinaire." The man behind the shutter, behind the attachments, behind the tripod, behind the—where is he? Any evening you may catch a lecture on his novel theory that the best photographs are taken with cameras, preferably those which contain film.



THEODORE A. ROTHSCILD

107-19 108 Street, Richmond Hill

An ex-Merchant Mariner and graduate of Kings Point, Ted has finished the M.E. course in six years. Considering the course is an eight year sojourn, it was a remarkable feat. Aiding him in his endeavor were his wife and three daughters. His experience in the field of power, and neat homework has thrust him into a position of leadership in his section.

HERMAN ROVIN

68 East 19 Street, Brooklyn

Herman's practical outlook on a given situation or problem enables him to quickly analyze and resolve them into a workable solution. This common sense approach plus his technical background and sparkling personality should serve him well in the future.





KENNETH H. RUMZIE

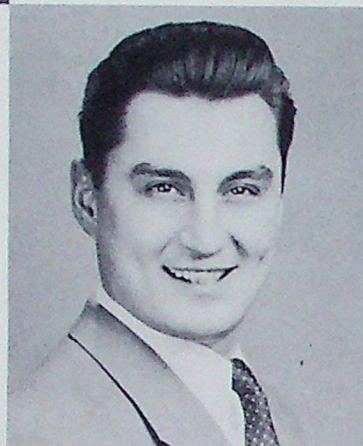
24 Brewster Street, Staten Island

" 'Allo shport, got neekol for tow'l sugair?" Muriel's friend crammed five years of Cooper into four and bought out the controlling interest of the Staten Island Ferry to avoid paying daily fares. He never allows school to interfere with his work or married life. Famous for his races from Tuxedo Park to Green Camp, he has been active in the A.S.C.E. and intramurals.

ROBERT G. SARUBBI

1641 60 Street, Brooklyn

At surveying camp Bob had the dubious honor of sleeping(?) between the flowing invectives of Ken Rumzie and Paul Strassmann. He is known for his continual and indefatigable earth-shattering wisecracks.



YOLENE K. SCHAEFER

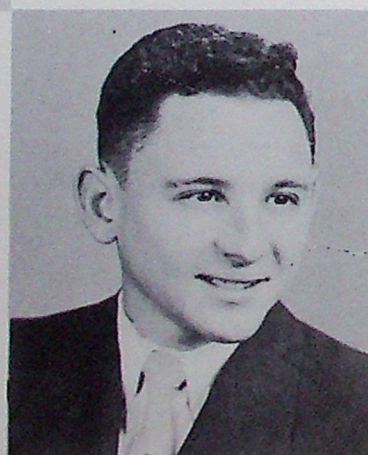
1800 Avenue L, Brooklyn

Mrs. Schaefer was one of the first to beat off the engineers by changing her name while attending school. A devoted spouse, as well as a student of the fine arts, Yolene has been able to succeed by combining her talents with some old fashioned hard work.

EDWARD J. SCHECKER

1660 Union Street, Brooklyn

If it weren't for Ed all A.M.S. socials would have been completely devoted to necking. Fortunately, the moment the lights go out Eddie whips out his trusty uke and makes like Arthur Godfrey. Owner of the only car in the 4D E.E. section, he figured prominently in class "tours" to Union City. Oh yes we should mention Bea. "Beal"



RICHARD J. SCHIFF

2271 East 64 Street, Brooklyn

Dick is a serious minded boy who has heeded the call of the fine arts. A prolific painter and sensitive artist, he spends most of his working hours at the easel. Dick fills his few leisure moments with a sincere interest in ballet.

HERBERT E. SCHMIDT

539 East 147 Street, Bronx

Herbie is one guy who would succeed at anything he undertook and the world of electrical engineering may be proud to claim him. With a smile that could charm an oyster out of its shell at sixty paces, he goes through the women of the Bronx like a devouring flame, although his action is in general not so destructive.



ABRAHAM SCHNEIDER

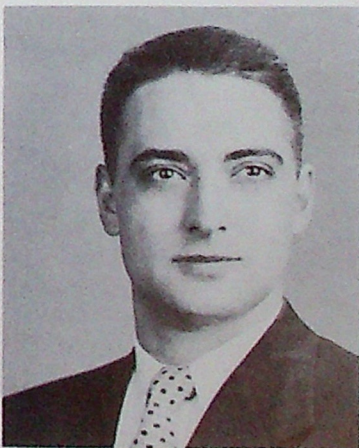
1833 East 166 Street, Brooklyn

Entering Cooper as a transfer student from C.C.N.Y. in '51, Abe quickly gained the respect and friendship of his fellow classmates for his scholastic ability and pleasant personality. His extra curricular activities included membership in Tau Beta Pi and A.I.Ch.E.

DANIEL N. SCHOCHET

660 Hegeman Avenue, Brooklyn

4D E.E.'s other married man, "Big Dan" considers himself an expert on anything. As class oracle he will offer advice to anyone or anything on any subject. Besides having gone to the Annual Dance, (he had to, he was on the committee) Dan was also Chairman of the Gold "C" and Blood Drive committees as well as being a member of the A.I.E.E.



ROBERT W. SCHORSCHINSKY

30-53 Crescent Street, Astoria

Bob is the class authority on instrumentation and automatic control. Aside from his technical abilities, very few people have the ability to "get along" with people and make friends as easily as Bob does.

HENRY SCHREIBER

377 Argyle Road, Brooklyn

The success of the Rifle Team during the past few years has been due largely to the efforts of Hank, who at one time or another has held all the major offices of the Rifle Club and Rifle Team. Hank also has consistently expressed interest in hiking and other strenuous outdoor activities (but always succeeded in staying at a safe distance from them). He still wonders how the stroboscope was able to tell the difference between A.C. and D.C.





ARTHUR SCHUTZMAN

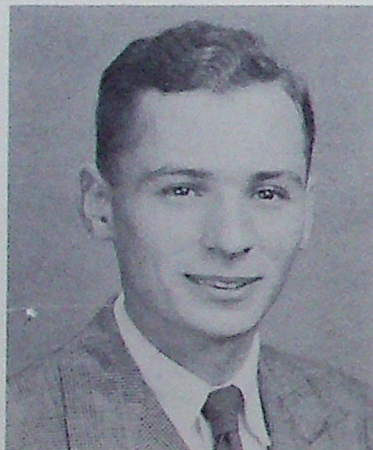
103 Avenue A, New York

Art was part of an unusual combination for the six long years of evening school. He shared classes throughout with his younger brother and between the two of them they turned out all the homework. Arty is an earnest assiduous worker with drive and persistence beyond the ordinary.

FRED SCHUTZMAN

8109 20 Avenue, Brooklyn

Fred (terror) Schutzman, as he is affectionately called by his brethren, is the younger of the Schutzman duo of the night M.E. class. His extreme mental receptiveness and keen sense of humor have always held him in the highest esteem of those who know and work with him.



HARRY SCHWARZLANDER

619 West 140 Street, New York

Harry is a hiking fiend, and spends his weekends trekking in the Jersey wilds, and then spends his weekdays recuperating from his weekends. He is always active either earning his expense money or in the Hiking or Math Clubs, or possibly any one of a dozen other activities that he has his finger in.

MARIAN E. SCHWEITZER

306 78 Street, Brooklyn

Blonde, demure, and not too tall, the looks are deceiving. For it seems the maid will be all too ready to defend any of the ideas she has embraced. Her sincerity in most matters is quite overwhelming.



ROSELYN SEGNER

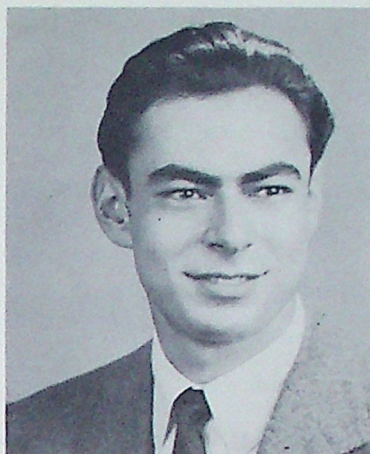
2435 Haring Street, Brooklyn

Roz is universally known for her good nature and fantastic ear-rings. A fine artist, she satisfies her taste for the bizarre by indulging herself in exotic clothes, but on her they look so good. Roz is married to a lucky member of Uncle Sam's Army.

STANLEY SEROKA

2070 72 Street, Brooklyn

Critique Extraordinaire of the M.E. class, Stan has everyone classified as either a "nonentity" or a "brain." Despite the fact that none of the M.E.'s seem to rate the "brain" classification in Stan's book, (only Einstein has made the grade so far), Stan the Man is loved dearly for his cultural personality. An authority on Greece, Slide Rules, and girls, one of Stan's dissertations on the latter subject would prove a boon to Dr. Kinsey.



FRED SHINAGEL

45 Thayer Street, New York

Fred has the unique ability of translating engineering fundamentals into philosophical tidbits. With his esthetic tastes and distinguished voice, he was the intellectual force for the Chemees and barely managed to give this uninhibited group a measure of professional dignity. True to form he was president of the Humanities Club and didn't do lab reports during Civ lectures.

MICHAEL SHOSTAK

22-28 123 Street, College Point

"Big Mike" is one of the top men of the E.E. class; a veritable powerhouse both physically and mentally. For recreation he either reads treatises on advance mathematics, or lifts ponderous spheres of Cast Iron over his head. A T.B.P. man, Mike is head weightlifter of A.I.E.E. and can be seen doing presses with vacuum tubes almost any time of the day.



THEODORE SIGMAN

4112 15 Avenue, Brooklyn

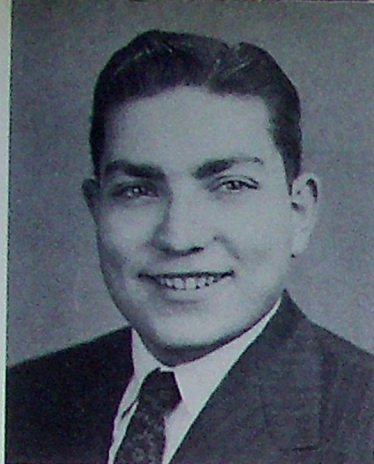
Ted, from all outward appearances is the strong silent type, but as a partner of the firm, Happiness Inc. he contributed more than his share to the madness which prevailed on the fifth floor. Known to trot around the Unit Ops Lab stripped to the waist and in bare feet, he was often mistaken for the instructor. Among other choice titles he was pledgemaster of A.M.S., Associate Editor of Pioneer, and founding father of the Wrestling Club.

MARVIN SLATKIN

1545 Nelson Avenue, Bronx

Marve has always been one of the harder working fellows in the art section of Cooper. Energetic and unabashed by difficulties, Marv's jovial attitude does little to conceal his keen mind.





ROGER SMALL

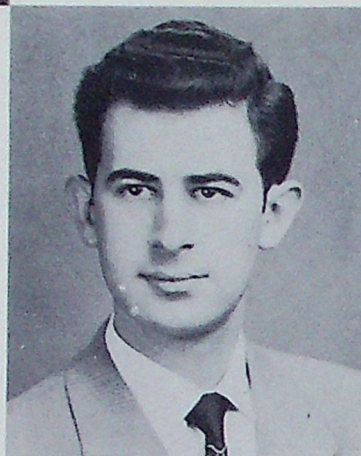
40 West 85 Street, New York

Roger Small, debonair architect, cuisiniere, and man about town, combines the wit of a G.B.S. with the talent of a Stanford White and emerges as one of the more precocious and capable proteges of Esmond Shaw.

ALEXANDER A. SOLLA

84-64 208 Street, Queens Village

Always in the midst of things, Al is President of Pi Tau Sigma and Vice-President of Tau Beta Pi, and student representative of the A.S.M.E. His wife and daughter will be among those most pleased to see him graduate.



EDMOND SOMEKH

175 West 92 Street, New York

Ed is an extremely alert guy and is known as "Greased Lightning" on the slide rule. He is known to be able to have the solution to the problem the moment the instructor is finished conceiving it. His sure combination of intelligence and somber approach should lead him to a highly successful career.

RITA A. SPIATTO

85-52 67 Drive, Forest Hills

Rita, one of the more serious students, is a tiny red head with a quick smile, a real talent and a compelling intensity of purpose. A connoisseur of raw carrots and celery, she lives up to the appellation of "carrot top."



CELIA H. STARKMAN

26 West 174 Street, Bronx

Quickly, catch her before she breaks another ankle! Not only to save her from the fall, but because she's a nice catch too. Aside from her shattered limbs, she may quickly be identified by her smouldering, incandescent red tresses.

BARBARA A. STEGEN

125 Island Avenue, Ramsey, N. J.

Barbara comes from Ramsey, New Jersey and she and her Times are inseparable. Possessed of a rare talent and unusual sense of humor, she is basically serious in nature and intellectually inclined.



RONALD J. STEIN

1439 Ocean Avenue, Brooklyn

Ronald's specialty is mammoth canvases which threatened to engulf the entire studio. He is avidly interested in motorcycles, and things Spanish, such as bull fights and guitars. Save for a very brief fling at architecture, Ronnie has given all his time to the fine arts.

LOUISE STOCKL

712 Ellsworth Avenue, Bronx

Looking more like a fashion model than a serious student of the arts, Louise has added a dash of elegance to the all too short stay at Cooper. She specializes, and very competently it might be added, in the Graphic Arts.



PAUL A. STRASSMANN

23 West 9 Street, New York

A guy that is too complicated, Paul was president of his class, Treasurer of the Student Council, Editor of Pioneer, Chairman of Judiciary, Secretary of U.W.F., and last but not least President of A.S.C.E. To add to this he worked furiously on the Constitution adopted in 1951 and is a member of T.B.P. and Chi Epsilon. In his spare time he managed to study psychology, soil mechanics and politics.

STANLEY SZERLIP

2686 Ocean Avenue, Brooklyn

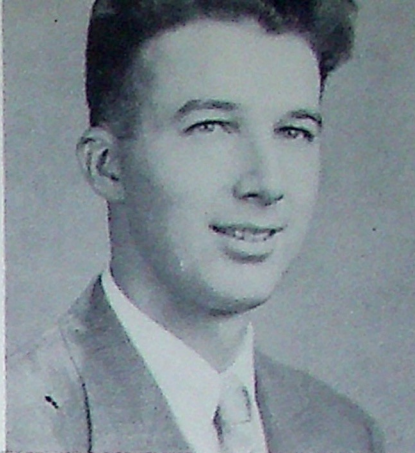
Working by day and school by night
After six long years it's been a tough fight.
Now that's it's over, with my goal in view;
Thanks for the education—dear Cooper, adieu!



JAMES H. TRAPKIN

108 Hudson Street, Hackensack, N. J.

From the wilderness of Hackensack, Jim battled the currents of the Hudson River every morning with his bowling ball tucked under one arm and the other propelling the Staten Island Ferry to Scotland. (Homeland of Bob.) Between tides, he captained the Varsity Volleyball Team and was a member of the Varsity Bowling Team.



VINCENT L. VAILLANCOURT

37 Palm Street, Newark, N. J.

Vinnie led the cause for moral straightness and emotional stability in the 4D Ch.E. and L.S.K., but after four years it is rumored that he no longer winces at the lively and imaginative cuss words hurled about in Unit Ops. Lab. A diligent worker and a great hustler, who distinguished himself by his work as A.A. president.

ALBERT VAILLANT

745 Driggs Avenue, Brooklyn

Al kept all his instructors on their toes by asking questions about the fine points that even the texts usually neglected. He is the 4D M.E.'s nominee for the best-dressed Cooper gent. He was also manager of the intramural Softball League, an active member of the Debating Society, and loved by all the pledges of L.S.K.



ELOISE M. VEGA

141 Sullivan Place, Brooklyn

Eloise is known for her refreshing personality as well as for her considerable interest in the opera. She is cracker-jack painter and designer, with a wonderful and generous sense of humor.

CHARLES F. WALKER

154-33 13 Avenue, Beechhurst

Four offspring—all born during Charlie's Cooper Union stint, are looking forward to the day when "daddy" will really be daddy, and not "the man who came to dinner," occasionally.





DONALD J. WATERS

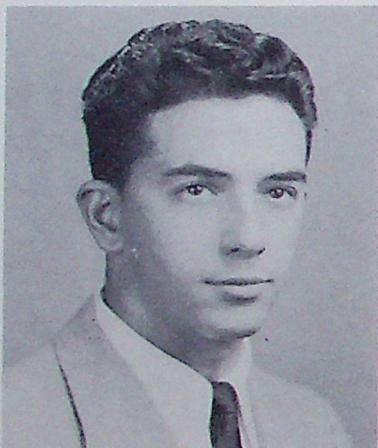
91 Fayette Street, Perth Amboy

A nature lover, he is especially interested in Ornithology . . . that's the reason he understands the strange ducks in the evening Art School so well. A diplomat and a gentleman, he's a great guy to know.

WILLIAM WEINSTEIN

1000 Grand Concourse, Bronx

Bill is a boy of quiet demeanor with a startling sense of humor. A really competent designer, Bill forsook the medical profession to come to Cooper and make his mark.



JOSEPH WEISHAR

718 Empire Boulevard, Brooklyn

Joe is our All-American Boy. A demon on the basketball court and twice captain of our intra-mural team, he has shown his ability as a natural leader. Joe works hard, plays hard, and is sure to be a complete success. Incidentally he was president of the senior class.

BRIGITTE WELISCH

700 Fort Washington Avenue, New York

A globe-trotter before finally settling at The Cooper Union, Gitta immediately established herself as a social leader by inaugurating the first Bal Masque. Engaged to be wed immediately upon graduating, we hope that she will not deprive the advertising world of her most competent talents.



ELLIOT WILLENSKY

1891 Gleason Avenue, Bronx

Elliot was known to drop tee-square and drawing board at the mention of words related to politics or Dr. Zucker. As chairman of U.W.F., he resolved the problem of spending the remaining funds of the organization by buying a new wardrobe. He attempted to bring leading architects to speak before the A.I.A., ostensibly for the benefit of ??



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AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

An engineer maintains and strengthens his professional status by early affiliation with a national society. For the Chemical Engineering student, membership in the Student Chapter of A.I.Ch.E. helps the budding engineer to develop the "professional attitude" so imperative to success. Plant trips, industrial movies, and guest speakers help acquaint the student with the equipment and problems he will meet later when he is on the job. Special thanks to the faculty advisor, Professor J. M. Peterson, for his valuable aid.

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AMERICAN INSTITUTE OF ELECTRICAL RADIO ENGINEERS

The purpose of the joint student branch of the A.I.E.E. and I.R.E. is to give the student a better perspective on the scope and practices of his chosen profession. Members are encouraged to take part in the activities of the national organizations and through the media of lectures, films, and field trips are made acquainted with the various phases of Electrical Engineering.

The Student Chapter of A.S.C.E. is recognized not only at Cooper but also on a metropolitan level as one of the most active organizations, having received many meritorious citations from its parent Society. In the past year the A.S.C.E. chapter devoted its entire speaker's program to non-technical aspects of the engineering profession, intending thereby to point out that the primary purpose of student professional societies should be discussion of human, cultural, economic and organizational factors which will influence our engineering careers.

AMERICAN SOCIETY OF CIVIL ENGINEERS

Left to Right, Top Row: B. Bready, R. Sarubbi, L. Kreshin, H. Morgan, D. Starett, G. Martinez, E. McCabe, J. Fisher, K. Rumzie, D. Eichelburg, D. Meyers, R. Kohrs, Prof. Eichler, R. Klien, P. Auster, R. Zahn, K. Bartzsch, E. Najjar, J. O'Connor, J. Moskewicus, G. Strogis, G. Dorner, K. Ozer, D. Kowtko, L. Fischer, J. Weigold, J. Horowitz, N. Marks, R. Mayrbaur. Bottom Row: R. Fratolilli, W. Kruse, T. VanWart, G. Brosky, C. Parody, P. Strassmann, B. Neuman, P. Snoek, S. Filipsky, N. Levy, F. Reda.



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AMERICAN SOCIETY OF MECHANICAL ENGINEERS

The American Society of Mechanical Engineers Student Branch had as its purpose the supplementing of our engineering education. This was accomplished by means of student and guest speakers, industrial films, and plant trips. At the Twenty-ninth Christmas Dinner, Dean Roemmele was honored for his twenty-five years of guidance to this chapter.

PRESIDENT: Alexander A. Solla
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PI TAU SIGMA

Left to Right, Top Row: S. Aronoff, C. Pattarini, T. Ragozzino, F. Jark, G. Fischer, J. Lechlieder, H. Cahn, W. Bell, I. Rubin. Middle Row: P. Sherman, F. Schutzman, J. Wolfkind, J. Kimball, N. Hammer, R. Lindner, W. Oettinger, S. Dardarian. Bottom Row: R. Lessem, L. Berkowitz, A. Solla, I. Pedowitz, N. Mathisen.



The Cooper Union Pi Chi Chapter of Pi Tau Sigma honor fraternity was founded in May 1949. It serves as a student aid to the Mechanical Engineering Department. This year we have endeavored to act as student counselors and hosts to the incoming freshmen. The students selected for membership are chosen on a basis of sound engineering ability, outstanding scholarship and personality.

Since its inception in 1947, the New York Iota Chapter at Cooper Union has served the school in many ways, such as the summer tutoring program, and the performance of duties for various departments by TBP pledgees. To emphasize the importance of humanities in engineering education, an award for excellence in Humanities was established. This is typical of the work being done—a conscious effort on the part of these few students to make a significant contribution to the student body of the Cooper Union.

TAU BETA PI

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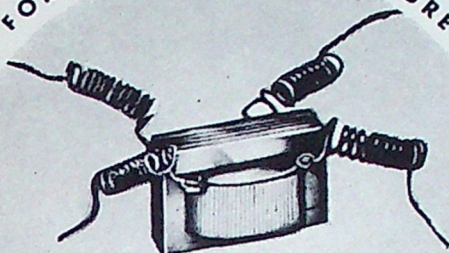
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 Israel Rubin
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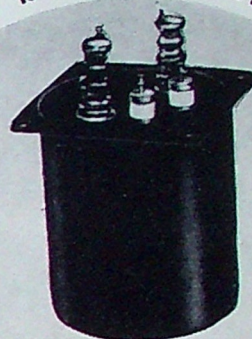
for every transformer application

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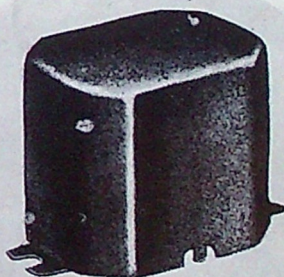
Miniature components to match the new "proximity fuse" miniature tubes. Output and input transformers, and reactors with dimensions $9/16" \times 3/4" \times 5/8"$.

FOR THE RESEARCH LABORATORY



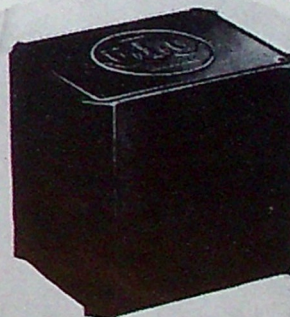
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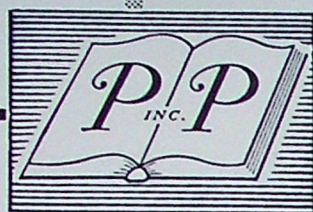
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